INTERNATIONAL SEARCH REPORT

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		PCT/0	SB 99/02110	
a. classi IPC 7	IFICATION OF SUBJECT MATTER H04B1/62 H03F1/32			
	o International Patent Classification (IPC) or to both national class	sification and IPC		
	SEARCHED			
IPC 7	ocumentation searched (classification system followed by classifi H04B H03F	cation symbols)		
Documenta	tion searched other than minimum documentation to the extent th	at such documents are included in the	fields searched	
Electronic d	lata base consulted during the international search (name of data	base and, where practical, search ter	ms used)	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.	
X	US 5 770 971 A (MCNICOL JOHN DU 23 June 1998 (1998-06-23)	1-4,9, 11, 13-17, 21,24		
	abstract column 1, line 14 - line 22 column 2, line 5 - line 67 column 5, line 52 -column 7, li figures 2,4 column 9, line 32 - line 42			
X	EP 0 544 117 A (NIPPON ELECTRIC 2 June 1993 (1993-06-02) page 3, line 54 -page 4, line 1	1,2,4-6, 11,21,24		
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X Furth	ner documents are listed in the continuation of box C.	X Patent family members a	re listed in annex.	
"A" docume	tegories of cited documents: ent defining the general state of the art which is not ered to be of particular relevance	*T* later document published after or priority date and not in con cited to understand the princip	flict with the application but	
"E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is clied to establish the public disease.		invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled		
iater in	ent published prior to the international filing date but an the priority date claimed	in the art. *&* document member of the same	patent family	
	actual completion of the international search October 1999	Date of mailing of the internati	•	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk		Authorized officer		
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fex: (+31-70) 340-3016	Bossen, M		

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int ilonal Application No PCT/GB 99/02110

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(Continu ategory °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
1	EP 0 580 125 A (ORTEL CORP) 26 January 1994 (1994-01-26) page 3, column 3, line 33 -column 4, line 29; figure 1	13-16	
A	EP 0 774 833 A (NIPPON TELEGRAPH & TELEPHONE) 21 May 1997 (1997-05-21) page 4, column 5, line 4 -column 6, line 9; figure 3	18,22	
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In. lational application No. PCT/GB 99/02110

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 25-28 because they relate to subject matter not required to be searched by this Authority, namely: Rule 6.2 (a)
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

information on patent family members

Int :lonal Application No PCT/GB 99/02110

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